Title (en)

TIRE PRESSURE SENSOR

Title (de)

REIFENDRUCKSENSOR

Title (fr)

CAPTEUR DE PRESSION DE PNEU

Publication

EP 3581406 A4 20200108 (EN)

Application

EP 18827767 A 20180704

Priority

- CN 201710547019 A 20170706
- CN 2018094538 W 20180704

Abstract (en)

[origin: EP3581406A1] The present invention relates to the field of automobile detection apparatus technologies, and provides a tire pressure sensor including: a sensor body, a valve assembly connected to the sensor body, a locking member, a resilient member, and a button; a fixture block assembly being disposed at a connecting end of the valve assembly; the locking member being disposed within the sensor body, and locking the fixture block assembly when the sensor body is connected to the valve assembly; the button being disposed within the sensor body and corresponding to the locking member; and the button conducting an external force to the fixture block assembly when suffering from the external force, so that the locking member relieves limiting of the fixture block assembly. An entire process of installation and disassembly of the tire pressure sensor becomes simpler and faster in the foregoing manner.

IPC 8 full level

B60C 23/04 (2006.01)

CPC (source: CN EP US)

B60C 23/04 (2013.01 - EP); **B60C 23/0418** (2013.01 - CN); **B60C 23/0494** (2013.01 - EP US); **B60C 29/02** (2013.01 - US)

Citation (search report)

- [XAI] WO 2015172351 A1 20151119 - AUTEL INTELLIGENT TECHNOLOGY CORP LTD [CN]
- [A] WO 2013013789 A1 20130131 - CONTINENTAL AUTOMOTIVE FRANCE [FR], et al
- [A] TW 201541063 A 20151101 - CUB ELECPARTS INC [TW]
- See references of WO 2019007374A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

DOCDB simple family (publication)

EP 3581406 A1 20191218; **EP 3581406 A4 20200108**; **EP 3581406 B1 20210512**; CN 109203872 A 20190115; DE 202018006388 U1 20200326; US 11161379 B2 20211102; US 2020016944 A1 20200116; WO 2019007374 A1 20190110

DOCDB simple family (application)

EP 18827767 A 20180704; CN 201710547019 A 20170706; CN 2018094538 W 20180704; DE 202018006388 U 20180704; US 201916578773 A 20190923